| Attorney Docket No. 0059-01-us | 76 |
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| 1.2 | _ |

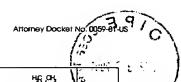
| USSN 09/763 | .216 | | | | | | Attorney Docket N | • | 1 Sign |
|-------------|--|---------------------|----------|---|---------------------|----------|-------------------|-----------|--------|
| Compound | MOLSTRUCTURE | S%R 10 uM hGnRHR | Compound | MOLSTRUCTURE | S%R 10 uM hGnRHR | Compound | | S%R 10 uM | 1555 |
| 320 | +4C O4 | 9 | 321 | Hr. | 55 | 322 | | 4 | 3.11 |
| 323 | 44 45 44 45 44 45 45 45 45 45 45 45 45 4 | 1 | 324 | HC 04 HC 04 | 27 | 325 | Ht. of | 3 | |
| 326 | Hit of Hit of | 51 | 327 | Hic or | 0 | 328 | HC ON HC ON | 33 | |



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|-----------------|-----------------|---|-------|
| нс оч | 1 | | -13iV |

| | · | | | | | | | 12 |
|-----|---|----|-----|------------------|----|-----|---|----|
| 329 | +c of | 31 | 330 | HE OF | 10 | 331 | HC CH | 49 |
| 332 | HC Of | 1 | 333 | Hic of Hic of | 28 | 334 | Hy of | 34 |
| 335 | He of He of | 2 | 336 | HE OF | 57 | 337 | HC ON HC ON | 6 |
| 338 | HC HC ON | 26 | 339 | or HC of | 17 | 340 | 5 + + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 | 28 |





| 341 | HC Or's | 20 | 342 | +t+ of | 45 | 343 | HE OF | 33 |
|-----|---|----|-----|--|----|-----|--|-----|
| 344 | HC 04 12 04 15 04 | 57 | 345 | HG ON | 40 | 346 | ++++++++++++++++++++++++++++++++++++++ | -14 |
| 347 | HE OH | 2 | 348 | ## ## a4 | 49 | 349 | ### ### ### ### ### #### ############# | 47 |
| 350 | HG O4 O4 N N N N N N N N N N N N N N N N N | 10 | 351 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 24 | 352 | HC Cot | 51 |



| Attorney Do | ckg1,No: 00 | 3 9 59-01-US | 10 | |
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| | lu. | 1 7 | 10, | |
| HC GH | Va | | į. | . / |

| | | | | · | | | lu. | 1.77 1 5 7 |
|-----|---|----|-----|---|----|-----|---------------------------------------|------------|
| 353 | ###################################### | -4 | 354 | Hr. or's | -5 | 355 | HC OI | 20 |
| 356 | He of | 17 | 357 | His ar | -2 | 358 | HC Ot | 9 |
| 359 | HC CH, | 55 | 360 | \$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | 4 | 361 | + + + + + + + + + + + + + + + + + + + | 4 |
| 362 | £ + + + 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | 1 | 363 | £ + + + + + + + + + + + + + + + + + + + | 14 | 364 | 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | 21 |



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|-----|-------------|----|-----|---|----|-----|-------------------|-------------|
| 365 | Hr Or | 47 | 366 | HC OI, HC OI, | 37 | 367 | H4 | 15 |
| 368 | He of He of | 56 | 369 | F. F | 11 | 370 | +4 +4 ot | 37 |
| 371 | Ht of | 55 | 372 | F + + + + + + + + + + + + + + + + + + + | 1 | 373 | HC Or's | 19 |
| 374 | He of | 13 | 375 | H. C. | 16 | 376 | He of He of He of | 50 |



| USSN 09/76 | 53,216 | | | | | | Attorney Docket | No. 0059-01 | TEG > |
|------------|--------------|----|-----|----------------|----|-----|-----------------|---------------------|---------|
| | | | | | | | / | | '6 |
| 377 | Ht of Ht of | 39 | 378 | HC O1 | -4 | 379 | He of | 250; 7 234,706,4 | 1. 7.) |
| 380 | HE OF | 29 | 381 | HE OF | 34 | 382 | HE OF | 8 | |
| 383 | HC 01, | 7 | 384 | HC O4 HC O4 | 21 | 385 | Htt of | 41 | |
| 386 | HC OI, HC OI | 27 | 387 | HE OF S | 52 | 388 | HC ON HC ON | 30 | |



| USSN 09/76 | 33.216 | | | | | | Attorney Docket | NO. 0059-01 | 9 70 |
|------------|--|----|-----|-------|----|-----|--|-------------|-----------|
| 389 | HE ON HE ON | 3 | 390 | Hr or | 55 | 391 | HC OI, OI, NC OI | 48 | ile Marie |
| 392 | HC O4 | 0 | 393 | Ht of | 44 | 394 | HG 04, | 57 | |
| 395 | CO N HE ON HE ON | 40 | 396 | He of | 55 | 397 | HC 04 HC 04 HC 04 | 43 | |
| 390 | F. F | 44 | 399 | HC O4 | 41 | | | A CONTRACT | |



| COMPOUND | MOLSTRUCTURE | S%R 1 uM hGnRHR | COMPOUND | MOLSTRUCTURE | S%R 1 uM hGnRHR | COMPOUND | MOLSTRUCTURE | S%R 1 uM hGnRHR |
|----------|---------------|--------------------|----------|--------------|--------------------|----------|----------------|--------------------|
| 400 | HC 04 | 28 | 401 | Hr. or, | 32 | 402 | HE OF | 18 |
| 403 | Hit of albase | 44 | 404 | HE OF | 13 | 405 | 14.01 14.01 | 40 |
| 406 | HC OI | 30 | 407 | ## ## of | 20 | 408 | HC OI | 16 |
| 409 | HC OI | 32 | 410 | HC OIS | 21 | 411 | HC 04 | 28 |



| 412 | HC ON HC ON | 49 | 413 | HC OI | 16 | 414 | *************************************** | 10 |
|-----|-----------------------|----|-----|--------|----|-----|---|----|
| 415 | 4 4 5 5 5 | 18 | 416 | 44 or | 34 | 417 | #\$ 04 #\$ 04 | 20 |
| 418 | | 42 | 419 | Hr. or | 36 | 420 | HC HC OCOM | 28 |
| 421 | | 48 | 422 | HC ON | 34 | 423 | HE OF | 49 |



| 424 | HE COI | 31 | 425 | | 42 | 426 | HE OI | 30 |
|-----|------------------|----|-----|---|----|-----|--|----|
| 427 | 145 04 145 04 | 20 | 428 | \$\frac{1}{2}\frac{1}{2 | 46 | 429 | 14 A A A A A A A A A A A A A A A A A A A | 40 |
| 430 | HC OI | 55 | 431 | £ £ £ £ | 47 | 432 | 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 42 |
| 433 | HC OI | 54 | 434 | # ************************************ | 6 | 435 | 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | 12 |



| 436 | ++++++++++++++++++++++++++++++++++++++ | 58 | 437 | HE ON | 40 | 438 | | 7 |
|-----|--|----|-----|-------------|----|-----|--|----|
| 439 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 23 | 440 | ## of ## of | 22 | 441 | HE OI | 17 |
| 442 | ************************************** | 50 | 443 | | 19 | 444 | HC OI | 32 |
| 445 | 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | 22 | 446 | THE OF | 55 | 447 | # # # of | 18 |



| | | | п | | | Γ- | - | - |
|-----|---|----|-----|-------------|----|-----|--------------|----|
| 448 | HE OF | 46 | 449 | | 42 | 450 | | Ó |
| 451 | HC OI | 24 | 452 | th of | 55 | 453 | #G O4 | 50 |
| 454 | ## P. | 36 | 455 | He otom | 58 | | | |



| COMPOUND | MOLSTRUCTURE | S%R 10 uM mGnRHR | COMPOUND | MOLSTRUCTURE | S%R 10 uM mGnRHR | COMPOUND | MOLSTRUCTURE | S%R 10 uM mGnRHR |
|----------|--------------|---------------------|----------|---------------|---------------------|----------|----------------|---------------------|
| 456 | HC OI, OH | -12 | 457 | #\$ of #\$ of | -3 | 458 | HC OL NC OL | 29 |
| 459 | HE OF | 53 | 460 | #c #c at | -4 | 461 | | 53 |
| 462 | #\$ a, | O | 463 | HC OI | -5 | 464 | HC OH, | 7 |
| 465 | HC O4 | 32 | 466 | The at | 30 | 467 | HC OH | -1 |



| 468 | A HE OF | -10 | 469 | | -9 | 470 | HE OL | 6 |
|-----|---------------------------------------|-----|-----|--------|----|-----|---------|-----|
| 471 | # # # # # # # # # # # # # # # # # # # | 4 | 472 | £ | 42 | 473 | | -14 |
| 474 | 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | 39 | 475 | HC OIL | -3 | 476 | HC CH, | 20 |
| 477 | | 47 | 478 | | 3 | 479 | #\$ d4, | -3 |



| 480 | | -2 | 481 | HE ON | 5 | 482 | and the or | 34 |
|-----|---|----|-----|--|----|-----|-------------------|----|
| 483 | #C 20 4 4 5 0 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 10 | 484 | | -1 | 485 | \$ \\ \frac{5}{2} | -5 |
| 486 | 45 45 04 | 33 | 487 | | 3 | 488 | \$\frac{1}{2}\$ | -3 |
| 489 | He at | -1 | 490 | +C + | 4 | 491 | | 9 |



| 492 | ************************************** | -7 | 493 | 44 dy | ó | 494 | HE ON HE ON | -7 |
|-----|--|----|-----|---|----|------------|--|----|
| 495 | HE ON | 4 | 496 | HC HC O4 | ф | 497 | HC O4, | 2 |
| 498 | #\$ of #\$ of | 58 | 499 | HE OF | 1 | 500 | | -4 |
| 501 | HC ON | -3 | 502 | # # # # # # # # # # # # # # # # # # # | -2 | 503 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 7 |



| | •• | | | | | | | |
|-----|---|----|-----|---|----|-----|----------|----|
| 504 | | 46 | 505 | NE OL | 7 | 506 | Hr of | 3 |
| 507 | HC ON | 4 | 508 | HE OF | 7 | 509 | 44 A4 O4 | 16 |
| 510 | 4 + + + + + + + + + + + + + + + + + + + | 23 | 511 | | 47 | 512 | He or | 51 |
| 513 | ++++++++++++++++++++++++++++++++++++++ | 9 | 514 | 5-4-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5 | 2 | 515 | HE OF | 11 |



| 516 | HE OF | 21 | 517 | HE OF HE OF | 34 | 518 | The on | 56 |
|-----|--------|----|-----|---|----|-----|-------------|----|
| 519 | HE OF | 0 | 520 | HE OF | -3 | 521 | HC CH, | 51 |
| 522 | 4 | 9 | 523 | \$ \\ \frac{1}{2} \\ \ | 7 | 524 | ## of ## of | 35 |
| 525 | HC OIL | -9 | 526 | HC HC OL | 9 | 527 | | 10 |



| 528 | HC OL NF OL | 22 | 529 | | Ŋ | 530 | HE ON | -4 |
|-----|----------------|----|-----|--|----|-----|--|----|
| 531 | Hg d, Hg d, | 4 | 532 | + + + + + + + + + + + + + + + + + + + | 12 | 533 | HC 04 HC 04 HC 04 | 29 |
| 534 | HC 04, | 9 | 535 | 45 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | 43 | 536 | HC 04 | 38 |
| 537 | HE ON | 32 | 538 | HC OH, HC OH, HC OH, | 17 | 539 | 44 44 44 44 44 44 44 44 44 44 44 44 44 | 19 |



| 540 | ## O4 | О | 541 | Hr. cr. | 9 | 542 | #* or | 42 |
|-----|--|----|-----|----------------------|----|-----|---|----|
| 543 | ###################################### | 31 | 544 | H ₂ C Od, | 27 | 545 | 4 + + + + + + + + + + + + + + + + + + + | 28 |
| 546 | HC Od | 29 | 547 | HC OI | 24 | 548 | HC ON, | 12 |
| 549 | HC CHCONN | 48 | 550 | HC OI | 3 | 551 | +4 | 21 |



| 552 | #\$ H\$ 84, | 58 | 553 | H.C. CH, | 34 | 554 | HC CH | 27 |
|-----|--|----|-----|-------------|----|-----|---|----|
| 555 | H. C. | 21 | 556 | +t. +t. +t. | 10 | 557 | \$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | Ю |
| 558 | H _C CH ₀ H _C CH ₀ H _C CH ₀ | 24 | 559 | H.C. OH, | 26 | 560 | 4c c4 4c c4 | 7 |
| 561 | 44 44 44 44 44 44 44 44 44 44 44 44 44 | 0 | 562 | HC Od, | 30 | 563 | Hic or's | 13 |



| 564 | HC Of HC Of | 45 | 565 | H.C. CH, H.C. CH, H.C. CH, H.C. CH, | 48 | 566 | HC Of | 3 |
|-----|--|-----|-----|--|----|-----|----------|---------|
| 567 | HC OI, HC OI, FY F | -1. | 568 | 44 +45 of of other parts of other pa | 28 | 569 | HIC CH, | 58 |
| 570 | 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1 | 48 | 571 | H.C. OT. | 36 | 572 | Hit Or's | , 41 |
| 573 | M.C. OH, H.C. OH, | 37 | 574 | HC 04 | 13 | 575 | | ત્ર |



| 576 | HG OH, OH, HG OH, | 15 | 577 | Hr or | 30 | 578 | Ht or | 17 |
|-----|---|----|-----|-------|----|-----|---|----|
| 579 | Ht of of | 10 | 580 | HC O4 | 18 | 581 | H _C C OH, H _C C OH, H _C C OH, | 43 |
| 582 | HC CHCONING | -2 | 583 | 5 | -3 | 584 | £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ | 15 |
| 585 | | 52 | 586 | 5 | 57 | 587 | \$ \frac{\xi}{\xi} \frac{\xi}{\ | 29 |



| 588 | HE ON | 4 | 589 | HE OF STATE | 35 | 590 | HC 04 HC 04 | -2 |
|-----|---|----|-----|---|----|-----|---------------------------------------|----|
| 591 | HyC OH, Chéral HyC OH, HyC OH, HyC OH, HyC OH, | 48 | 592 | HC Or's | 17 | 593 | HC OH' | 2 |
| 594 | HC HC OI, | 16 | 595 | HC HC ON | 24 | 596 | HC CH, HC CH, | -1 |
| 597 | HG H | 11 | 598 | HC O1, | 4 | 599 | £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ | 28 |



| 600 | it or | 4 | 601 | HC OH, HC OH, | 17 | 602 | H ₂ C O4, | 44 |
|-----|----------------------------------|----|-----|---------------|----|-----|---|----|
| 603 | H.C. OH, | 4 | 604 | HC CH, | 4 | 605 | #\$ 04 | 19 |
| 606 | HC OI | 32 | 607 | HC CH, | -2 | 608 | H _y C CH _y H _y C CH _y N-CH _y | 8 |
| 609 | H _r C OH ₃ | 47 | 610 | HC OF CH | O | 611 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 11 |



| 612 | HC 04, | 9 | 613 | N. C. | 53 | 614 | HC ON HC ON | 48 |
|-----|--|----|-----|---|----|-----|--|----|
| 615 | 44 45 45 45 45 45 45 45 45 45 45 45 45 4 | 7 | 616 | HC Offerm | 29 | 617 | 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | -2 |
| 618 | | 9 | 619 | HC OI | 5 | 620 | F. F. P. | 3 |
| 621 | HE OL Chinal | 43 | 622 | \$\frac{\darksquares}{\darksquares} \frac{\darksquares}{\darksquares} \frac | 43 | 623 | | 2 |



| 624 | HC CH | 8 | 625 | He of He of He of | 8 | 626 | HC ON, HC CH, | 10 |
|-----|---|----|-----|--|----|-----|---|----|
| 627 | HC CH, HC CH, HC CH, | 4 | 628 | H. H | 35 | 629 | #\$\frac{1}{2}\frac{1}{ | 17 |
| 630 | \$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | 58 | 631 | | 43 | 632 | HC ON | 21 |
| 633 | 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 10 | 634 | 4 4 4 5 4 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5 | 1 | 635 | HC CH ₆ CH ₆ CH ₆ CH ₆ CH ₆ CH ₇ CH ₇ CH ₇ | 27 |



| 636 | HC CH _a HC CH _a | 17 | 637 | Hc of Hc olam | 55 | 638 | HE ON | 53 |
|-----|--|----|-----|---|----|-----|---|----|
| 639 | HC Orlows | 57 | 640 | #¢ #\$ #\$ #\$ #\$ | 2 | 641 | HE OF | 23 |
| 642 | Ht or | 19 | 643 | HC OL, | 23 | 644 | HE OF | 22 |
| 645 | ## ## ## ## ## ## ## ## ## ## ## ## ## | 51 | 646 | H.C. Q. L. C. | o | 647 | 5 4 4 5 4 5 4 5 4 5 4 5 4 5 4 5 6 5 6 5 | 35 |



| 648 | | 4 | 649 | HOT ON ON | 28 | 650 | Ht of | 4 |
|-----|--|----|-----|--------------|----|-----|----------------------------------|----|
| 651 | H.C. S. | 15 | 652 | # # # of a f | 19 | 653 | 4c of 4c of 4c of 4c of | 6 |
| 654 | + + + + + + + + + + + + + + + + + + + | 34 | 655 | H.C. CH, | 2 | 656 | HC ON HC ON | 52 |
| 657 | H ₂ C O ₄ | 3 | 658 | | 35 | 659 | H ² C Od, | -2 |



| 660 | HE OF | 4 | 661 | HLC ON CH | 41 | 662 | HC 04, HC 04, HC 04, | 3 |
|-----|---|----|-----|------------|----|-----|--|----|
| 663 | HC CH | 25 | 664 | HC OI | 1 | 665 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 12 |
| 666 | +c + | 24 | 667 | Hit His of | 39 | 668 | HC OIL | 6 |
| 669 | | ં | 670 | | 16 | 671 | HC ON HC ON | 12 |



| 672 | Ht of | 23 | 673 | HC OH | 2 | 674 | The or | 10 |
|-----|----------------|----|-----|---------------------------------------|----|-----|--|----|
| 675 | HC Of HC of | ,5 | 676 | # # # # # # # # # # # # # # # # # # # | 4 | 677 | H\$ 04 04 04 04 04 04 04 04 04 04 04 04 04 | 54 |
| 678 | HC OF | 17 | 679 | # # # # # # # # # # # # # # # # # # # | 1 | 680 | H _G CH ₃ C | 0 |
| 681 | HC OH, | 6 | 682 | # # # # # # # # # # # # # # # # # # # | 59 | 683 | HC Orloway HC Orloway | 23 |



| 684 | HC CH, | 2 | 685 | Hr. of | 19 | 686 | H _C OH, | 37 |
|-----|------------|----|-----|--|----|-----|---|----|
| 687 | #\$ #\$ 04 | 7 | 688 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 0 | 689 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 34 |
| 690 | HC OF | 25 | 691 | HC ON, | 7 | 692 | H ₂ C CH ₃ H ₃ C CH ₃ | -2 |
| 693 | He of | 55 | 694 | £ + + + + + + + + + + + + + + + + + + + | 11 | 695 | HC OT OF OT | 35 |



| 696 | +++++++++++++++++++++++++++++++++++++++ | 21 | 697 | Hic or | 1 | 698 | HC Or's | 59 |
|-----|--|----|-----|---|----|-----|--|----|
| 699 | H.C. CH, | -1 | 700 | HC OL | 30 | 701 | #G & | -1 |
| 702 | \$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | 28 | 703 | HE OF | 5 | 704 | Hr. of Hr. of | 4 |
| 705 | | 23 | 706 | HC Odchina, | 3 | 707 | 44 45 45 45 45 45 45 45 45 45 45 45 45 4 | 0 |



| 708 | +G-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5 | 4 | 709 | Hr or | 15 | 710 | HC CH, HC CH, | 4 |
|-----|--|----|-----|---------------------------------|------|-----|---|----|
| 711 | HC CH | 2 | 712 | H ² C O ² | 1 | 713 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 2 |
| 714 | Hc or | 52 | 715 | HC CH, HC CH, HC CH, | .1 | 716 | H _C O ₄ O ₅ | 35 |
| 717 | HC ON HC ON | 19 | 718 | | . 34 | 719 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 28 |



| 720 | Ht. of Ht of | -1 | 721 | Hr of Hr of | 2 | 722 | H ₂ CH ₃ H ₂ CH ₃ | 12 |
|-----|--|----|-----|--------------|---|-----|--|----|
| 723 | Hy Oi, Oil, | 20 | 724 | +4++ | 6 | 725 | H ₂ C H ₃ C | -1 |
| 726 | -d' | 11 | 727 | HC O14 | 3 | 728 | H ₂ C OI, H ₂ C OI, H ₂ C OI, | O |
| 729 | HC OI, | 2 | 730 | Hit Ortanian | 8 | 731 | 45 4 5 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 37 |



| 732 | HC ON HC ON | 28 | 733 | H _C OH, H _C OH, | 42 | 734 | Hr. Of. | 28 |
|-----|---|----|-----|--|----|-----|---|----|
| 735 | HC OLDERNIA | -1 | 736 | HC ON N | 37 | 737 | | 36 |
| 738 | 4c 4d | 16 | 739 | HG OF | 42 | 740 | £ £ £ 6 £ 5 £ 5 £ 5 £ 5 £ 5 £ 5 £ 5 £ 5 | 15 |
| 741 | HC O3 HC O3 HC O3 | 11 | 742 | +c + | 5 | 743 | 5 5 5 5 5 5 5 5 | 0 |



| | ·• | | | | | | | |
|-----|---|----|-----|-----------------------|----|-----|--|----|
| 744 | HE OF | 0 | 745 | Hr. of | 58 | 746 | HE OU, | 25 |
| 747 | HG 05 | 10 | 748 | HC OI | 12 | 749 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 17 |
| 750 | 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + | 34 | 751 | H _C CH, | 4 | 752 | HC CHCutral HC CHCutral | 27 |
| 753 | ++++++++++++++++++++++++++++++++++++++ | 1 | 754 | \$\frac{1}{4} \tag{4} | 37 | 755 | +45 +45 -45 -45 -45 -45 -45 -45 -45 -45 -45 - | 2 |



| 756 | HC O' | 38 | 757 | HC OI | 1 | 758 | HE ON HE ON | 9 |
|-----|---------------------------------------|----|-----|--|----|-----|--|----|
| 759 | Ht of | 21 | 760 | HC ON HC ON | 10 | 761 | Ho N of of the other of the oth | 12 |
| 762 | + + + + + + + + + + + + + + + + + + + | 3 | 763 | H ₂ C OH ₃ H ₂ C OH ₃ H ₄ C OH ₃ | 5 | 764 | F F F F F F F F F F F F F F F F F F F | 18 |
| 765 | HC CH HC CH | 15 | 766 | 5 5 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | 6 | 767 | Ht Orlina | 42 |



| 768 | #\$ #\$ 04 #\$ #\$ 04 | 3 | 769 | HC ON HC ON | 2 | 770 | H¢ of H¢ of | 3 |
|-----|--|----|-----|---|----|-----|--|---|
| 771 | 45 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | 0 | 772 | # # # # # # # # # # # # # # # # # # # | 4 | 773 | HC Organization HC Organizatio HC Organization HC Organization HC Organization HC Organization | 3 |
| 774 | £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ | 3 | 775 | H ₂ C CH ₂ Chind H ₃ C CH ₃ | 38 | 776 | \$\frac{\fracc}\frac{\frac}\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac}\frac{\fracc}\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac}}}}}}}}}}{\frac}\frac{\frac{\frac{\frac{\frac}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}} | 3 |
| 777 | HE OH OH | 31 | 778 | +th | 6 | 779 | HC OH, HC OH, HC OH, | 2 |



| 780 | 14 of | 1 | 781 | Ht of Ht of | 44 | 782 | Hit Or's | 15 |
|-----|---|----|-----|-------------|----|-----|--|----|
| 783 | HC OI HC OI | 25 | 784 | HC 04 | 31 | 785 | | 9 |
| 786 | Hr or | 34 | 787 | 145 Or's | -3 | 788 | 44 44 45 45 45 45 45 45 45 45 45 45 45 4 | 6 |
| 789 | HC O1 | 14 | 790 | HE OH, | o | 791 | +4 +4 of | 29 |



| 792 | Ht of | 5 | 793 | Hr. Pr. Pr. Pr. Pr. Pr. Pr. Pr. Pr. Pr. P | 13 | 794 | HC Or | 0 |
|-----|---------------------------------------|----|-----|---|----|-----|--|----|
| 795 | H4 40 04 | 0 | 796 | \$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | 19 | 797 | HE OH, | -1 |
| 798 | 45 of | 29 | 799 | 14 14 14 14 14 14 14 14 14 14 14 14 14 1 | 42 | 800 | 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | 1 |
| 801 | H ₂ C OH ₂ Chim | 31 | 802 | H.G. CH., CH., CH., CH., CH., CH., CH., CH. | 31 | 803 | | 54 |



| 804 | HE OH, | 5 | 805 | HE OI HE OI | 51 | 806 | H,C O4, H,C O4, | 10 |
|-----|---|----|-----|---|----|-----|---|----|
| 807 | H _C of | 39 | 808 | H ₂ C dia | 9 | 809 | H ₂ CcH ₄ | 38 |
| 810 | £ 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 0 | 871 | 4 F F P P P P P P P P P P P P P P P P P | 57 | 812 | 4. A. | 10 |
| 813 | 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | -2 | 814 | 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | 6 | 815 | P. C. | 9 |



| | •• | | | | | | | |
|-----|----------------------------------|----|-----|--|----|-----|----------------------|----|
| 816 | 45 or | 29 | 817 | HC CH, CH, CH, CH, CH, CH, CH, CH, CH, C | 7 | 818 | #\$ Of #\$ Of | 50 |
| 819 | Ht of Ht of | -2 | 820 | H ₂ C CH ₄ H ₃ C CH ₄ H ₄ C CH ₄ | -2 | 821 | Ht at | 7 |
| 822 | Ht. or' | 0 | 823 | H _C CH ₀ | 33 | 824 | HC CH, HC CH, HC CH, | 6 |
| 825 | H ₂ C CH ₂ | 26 | 826 | Ht ch | 53 | 827 | HC 04, HC 04, HC 04, | 1 |



| 828 | Ht or | 56 | 829 | | 4 | 830 | HC OI, HC OI, | 38 |
|-----|--------------------------------|----|-----|--|----|-----|--|----|
| 831 | HC CH, | 27 | 832 | £, £, £, £, £, £, £, £, £, £, £, £, £, £ | 2 | 833 | F. F. S. | 26 |
| 834 | H _C CH ₃ | 0 | 835 | H,C OH, | 36 | | | |



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| MOLSTRUCTURE | @ 1 uM | Repeats @1uM hGnRH | MOLSTRUCTURE | @ 1uM | Repeats @1uM hGnRH | MOLSTRUCTURE | @ luM | Repeats @1uM hGnRH |
|--------------|--------|--------------------------|---|-------|--------------------------|--|-------|--------------------------|
| HC OI, HC N | 40 | 49 | # | 57 | 58 | 4c 4 | 86 | 93 |
| 14 | 26 | 26 | HC OH, | 20 | 24 | Ht of | 15 | 15 |
| HC HF ON | 27 | 31 | 44 + 45 + 45 + 45 + 45 + 45 + 45 + 45 + | 62 | 67 | ## at ## at | 50 | 62 |
| Ht. of | -7 | 0 | H.C. O.Y. | 63 | 69 | HC CH, | -21 | -26 |



| HC OL, | 38 | 41 | He He at | 86 | 90 | +4 +4 +4 +4 +4 +4 +4 +4 +4 +4 +4 +4 +4 + | 52 | 54 |
|----------------|----|----|---|-----|-----|--|----|----|
| HC HC OIL | 75 | 92 | # # a a | 47 | 52 | HC OI | 49 | 50 |
| HC OH | 60 | 62 | +4+ +4+ +4+ +4+ +4+ +4+ +4+ +4+ +4+ +4+ | 23 | 36 | HE OF | 11 | 6 |
| HC ON HC ON | 16 | 23 | | -28 | -31 | 4. + + + + + + + + + + + + + + + + + + + | 67 | 70 |



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| HE ON HE ON | -27 | -29 | | 13 | 8 | | -25 | -25 |
|--|-----|-----|--|-----|----|--|-----|-----|
| HE ON HE ON | -36 | -37 | # # # # # # # # # # # # # # # # # # # | 13 | 33 | | -10 | -8 |
| ## ## of | 31 | 45 | 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7 | -13 | -9 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 102 | 107 |
| HE OIL | -21 | -36 | HC CH, CH, CH, CH, CH, CH, CH, CH, CH, C | 59 | 66 | HC HC A | 78 | 81 |



| Hr. or | 87 | 92 | ### ## ## ## ## ## ## ## ## ## ## ## ## | -29 | -30 | HC QI | -17 | -29 |
|--------|-----|-----|---|-----|-----|----------------|-----|-----|
| HE ON | 44 | 45 | ************************************** | 57 | 64 | HC OH HC OH | 18 | 9 |
| HE OF | -21 | -23 | | 33 | 89 | HC OI, | -12 | -9 |
| HC OI | 83 | 86 | ++++++++++++++++++++++++++++++++++++++ | 63 | 64 | HC OH, | 66 | 76 |



| • | | | | | | | | |
|--|-----|-----|--|----|----|-------------|-----|-----|
| HE OF | 83 | 84 | HE OF | 24 | 35 | Ht of Ht of | -22 | -25 |
| | -34 | -38 | | -4 | 2 | HC OH, | 55 | 60 |
| HE OF | 22 | 28 | #\$ of \$ | 80 | 90 | HC CH" | -14 | -5 |
| 44 +45 +45 +45 +45 +45 +45 +45 +45 +45 + | -20 | -26 | HE OI, | 22 | 25 | | -12 | 0 |



| 1,50 | 35 | 35 | HE ON | -17 | -31 | +++ cs. | -2 | 4 |
|----------------|-----|----|---|-----|-----|--|----|----|
| HC HC OIS | -11 | -8 | \$ \\ \frac{1}{2} \\ \ | 32 | 44 | +4 +4 +4 +4 +4 +4 +4 +4 +4 +4 +4 +4 +4 + | -5 | 0 |
| ## of | -1 | -9 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | -21 | -5 | HC COL | 17 | 25 |
| HC OF HC OF | 11 | 13 | | 27 | 38 | 45 45 45 45 45 45 45 45 45 45 45 45 45 4 | 84 | 89 |



| Hr. Or | 35 | 42 | +¢ of +¢ of | -3 | 8 | Ht or | 32 | 36 |
|--------|----|----|---|-----|-----|--|-----|----|
| HE ON | 71 | 76 | \$ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ | 100 | 101 | State of the state | -16 | -2 |
| HC ON | 51 | 56 | \$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | 21 | 23 | 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 30 | 44 |
| | -6 | -7 | 44 45 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | 85 | 85 | #\$ 0 d | 101 | ≫ |



| HC O4 | 44 | 49 | HE OIL | 18 | 22 | HC 2 2 3 2 4 4 5 5 4 5 6 5 6 5 6 5 6 5 6 5 6 6 5 6 6 6 6 | 26 | 87 |
|--------------|----|----|--------------------|-----|----|--|----|----|
| H4 H4 O4 | 79 | 91 | He He ou | -12 | 14 | H ₂ C CH ₂ Oshmi H ₂ C CH ₃ | -1 | 12 |
| HC O4 HC O4 | 69 | 74 | H _C Cd, | 67 | 69 | HC OH, | -2 | 3 |
| HC HC OI | 82 | 85 | HE ON | -6 | 2 | HC Orl's | 56 | 57 |



| Ht Orl | -11 | -8 | HC OI, OI, HC OI, HC OI, | -7 | 4 | 44 Oct 44 Oct 44 Oct 64 | 16 | 3 |
|--------------------|-----|----|--|----|----|--|----|----|
| HC CH, | 13 | 19 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | -7 | -7 | HG ON | 86 | 88 |
| Hr. or | 59 | 60 | Creating the state of the state | 70 | 72 | H ₂ C CH ₂ Orioni H ₂ C CH ₃ | 17 | 26 |
| HC CH ² | 15 | 26 | HE STAND | 19 | 25 | H.C.CH _a CH _a Cown | -7 | 4 |



| HC Odomal HC Odomal | -11 | -9 | HC OF OCH | -10 | -6 | HC Offerman | 20 | 23 |
|---|-----|----|--|-----|----|---|----|----|
| H ₂ C CH ₂ Chind H ₃ C CH ₄ H ₃ C CH ₄ | -11 | 24 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 79 | 82 | ++++++++++++++++++++++++++++++++++++++ | 81 | 89 |
| HC OI, | 68 | 68 | ## ## ## ## ## ## ## ## ## ## ## ## ## | -1 | 6 | \$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | 76 | 83 |
| HC Od, HC Od, HC Od, HC Od, HC Od, | -10 | 13 | HC Of HC Of | 69 | 75 | HC Or, HC Or, | 48 | 55 |



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| HC OH, | 84 | 86 | H¢ ot, | 89 | 92 | Hit or's | 82 | 85 |
|-----------|-----|-----|--|----|----|---------------|-----|----|
| HE OIL | 1 | 41 | + + + + + + + + + + + + + + + + + + + | ņ | 2 | HE ON | 62 | 69 |
| of the at | 77 | 84 | 2 | 55 | 63 | HC OIL | -11 | -7 |
| HC ON | -20 | -30 | THE THE PERSON AND TH | -4 | 0 | Hit of Hit of | 10 | 2 |



| HE ON | -7 | 15 | ## of of of other parts of other par | -7 | ۶ | HC 04, | -10 | -5 |
|---|-----|----|--|----|----|-----------|-----|----|
| \$\frac{1}{5}\frac{5}\frac{5}{5}\frac{5}{5}\frac{5}{5}\frac{5}{5}\frac{5}{5}\frac{5}{5}\frac{5}{5}\frac{5}{5}\frac{5}{5}\frac{5}{5}\frac{5}{5}\frac{5}{5}\frac{5}{5}\frac{5}{5}\frac{5}{5}\frac{5}{5}\frac{5}{5}\frac{5}\frac{5}{5}\frac{5}{5}\frac{5}{5}\frac{5}{5}\frac{5}{5}\frac | -12 | -9 | £, \$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | 31 | 42 | HC OH, | 61 | 70 |
| ************************************** | -23 | -8 | HC CO, | 17 | 28 | HC HC OH, | 72 | 72 |
| HC OF | 51 | 54 | 5 | 35 | 36 | HC OH, | 61 | 71 |



| HE OIS | ó | 6 | 44 44 A | -18 | -7 | HC OI | -25 | 3 |
|------------|----|----|--|-----|----|--|-----|----|
| HC OI | -2 | 3 | F. F | -4 | 1 | 44 44 44 44 44 44 44 44 44 44 44 44 44 | 15 | 16 |
| Hr an | 14 | 27 | HC Ot Chinal | -3 | -5 | HE HE E | 38 | 45 |
| HC N HC OI | 52 | 52 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 68 | 71 | HE OF | 19 | 29 |



| He at, | 53 | 64 | HE ON | 15 | 21 | HC ON, | 69 | 71 |
|----------------|-----|----|---|-----|----|--------|-----|----|
| 45 of | 78 | 84 | HT CH | 17 | 20 | HC CH, | 53 | 58 |
| HC OS HC OS | -4 | -7 | \$ \$\frac{1}{2}\$ | -14 | -6 | | 40 | 41 |
| HC QI, HC QI, | -22 | 9 | 2 4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | -20 | -7 | HC OI | -24 | 9 |



| HE ON | -18 | 6 | HC 04, | 24 | 3 | HC HC ON | 58 | 63 |
|-------------------------|-----|----|----------|----|----|----------|-----|----|
| HC OL HC OL HC OL | 44 | 48 | HE OF | 49 | 58 | Ht or' | 16 | 32 |
| HC CH, Chan | -6 | 0 | of Ht of | 26 | 34 | HC an, | -40 | 17 |
| HC OI, HC OI, | ф | 16 | HC 04 | 55 | 61 | HE OIL | -18 | 5 |



| HE ON HE ON | -10 | -15 | HC OHOUSE | -11 | -29 | H¢ 04 | -20 | -21 |
|----------------|-----|-----|---|-----|-----|--------|-----|-----|
| HIC ON | -16 | -29 | \$ \\ \frac{1}{2} \\ \ | 4 | -7 | #¢ oi, | -19 | -22 |
| Hr. or | -4 | 11 | HE OF | 3 | 7 | HC OL | -15 | -20 |
| Hic or | -5 | 62 | HC CH, | -10 | -9 | HC CH, | 11 | 16 |



| •• | | | | | | | | |
|------------------------------|-----|-----------|---|-----|-----|----------------|----|----|
| HC OI | -12 | -6 | Htt of | 15 | 19 | HC HC OH, | 16 | 24 |
| HC OI HC OI HC OI O | -11 | -5 | 2°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°° | 42 | 53 | HE OIL | 93 | 95 |
| HC OI | 87 | 90 | HC OI OI | -11 | -17 | HC OI | -1 | -7 |
| He of | 1 | 1 | 2 - 2 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - | 42 | 44 | HC CH HC CH | 2 | 21 |



| Hr. or | 59 | 62 | HE OH | 93 | 95 | HC O1 HC O1 | 10 | 9 |
|----------|-----|----|--|----|----|---|-----|----|
| HC 14504 | 7 | 9 | ## ## ## ## ## ## ## ## ## ## ## ## ## | 11 | 15 | HC OT OF OT | -22 | 4 |
| HC O4 | -5 | 6 | 2°-9°-4°-4°-4°-4°-4°-4°-4°-4°-4°-4°-4°-4°-4° | 76 | 79 | H.C. H.C. O.L. | -5 | 8 |
| HC CH, | -10 | -6 | 44 44 45 45 45 45 45 45 45 45 45 45 45 4 | 77 | 79 | HC OT HC OT | 81 | 85 |



| HE ON | 48 | 52 | 14 Or 14 Or 1 | 29 | 32 | Ht. 04, | 81 | 82 |
|----------------|----|----|--|----|----|---------|-----|----|
| HC OI | 68 | 69 | # # # # # # # # # # # # # # # # # # # | 74 | 81 | HE OF | 45 | 45 |
| HC OH HC OH | 28 | 35 | \$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | 20 | 28 | HC Ord | 13 | 7 |
| HC HC OIL | 14 | 20 | #¢ & 4 & 4 & 4 & 4 & 4 & 4 & 4 & 4 & 4 & | 14 | 21 | HC OH | -12 | ٦ |



| HE OF | 38 | 39 | HC OI HC OI HC OI | 15 | 17 | HE OS HE OS | 21 | 22 |
|---|-----|----|---|----|----|--|----|----|
| Hit of Hit of | 28 | 45 | 5 4 5 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | 20 | 22 | H.C. O'Craimal H.C. O'Craimal H.C. O'Craimal | 16 | 7 |
| HC CH ₃ CH ₃ Chiral | -2 | 9 | \$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | 2 | 4 | His at | 27 | 48 |
| HC OI | -26 | 11 | ++++++++++++++++++++++++++++++++++++++ | 10 | 2 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 17 | 23 |



| HC O1 | -1 | -3 | HC ON | 12 | 8 | HC OI | -8 | 3 |
|----------------|-----|----|---|----|----|----------------|-----|-----|
| HC ON HC ON | 78 | 85 | + + + + + + + + + + + + + + + + + + + | -2 | 6 | HC OH HC OH | 54 | 54 |
| HC Of | 57 | 60 | +¢ -0-04, | 94 | 96 | the or | 16 | 22 |
| HE OF | -10 | -3 | 45 of | -6 | 14 | H.C. Oct. | -17 | -27 |



| HC OH, OH | -13 | -5 | H.C. Od, Od, Chiral | -10 | -15 | GEN OF HIS OF | 75 | 77 |
|---|-----|-----|---------------------------------------|-----|-----|---|-----|----|
| HC ON | -10 | -13 | # # # # # # # # # # # # # # # # # # # | 43 | 48 | 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5 | 49 | 52 |
| HE OI' | 62 | 68 | HE OF | 12 | 14 | HC OH HC Orbran | -2 | 6 |
| H _s C CH _s H _s C CH _s | 41 | 44 | 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | 25 | 28 | H ₂ C Ot ₃ H ₂ C Ot ₃ H ₂ C Ot ₃ H ₃ C Ot ₄ | -12 | -9 |





| MOLSTRUCTURE | % inhib. @10uM mGnRH | MOLSTRUCTURE | % inhib. Ø 10uM mGnRH | MOLSTRUCTURE | % inhib. @ 10.JM mGnRH |
|--|----------------------------|---|-----------------------------|--------------|------------------------------|
| HC OI, HC OI, | 82 | of state of | 103 | HC Of County | 101 |
| HC O4 | 100 | HC ON | 89 | | 80 |
| HC Or | 93 | | 65 | HE ON | % |
| HC OH, OH, HC OH, | 83 | HC 04 | 63 | The of | 63 |
| HC OI | 46 | HC OF | 71 | HC O4 | 104 |



| He of | 65 | HE ON | 94 | HE OI | 21 |
|--------|-----|--|-----|---|----|
| HE OF | 84 | +\$ of +\$ of | 100 | 5 4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | 66 |
| HE OIL | œ | | 9 | | 89 |
| HC OL | 102 | 444 | 86 | HG O4 | 82 |
| HE OF | 101 | HC C C C C C C C C C C C C C C C C C C | 63 | He of He of | 59 |



| HC ON HE ON | 26 | HC OH HC OH | 14 | HC OI | 91 |
|----------------|----|----------------|----|--|-----|
| HC OH | 93 | HE OF HE OF | 65 | HG OF | 73 |
| HC OH, | 96 | HC Cd, | 66 | High of High o | 89 |
| HC O4 | 73 | HE OF | 22 | HC Or | 100 |
| HE OI | 97 | | 79 | HE ON ON HE | 100 |



| HC at | 75 | HE ON | 95 | H¢ ot | 8 |
|--------|----|--|-----|----------------------------|-----|
| HE OI | 73 | HC OH, OH, HC OH | 97 | HC OH, | 58 |
| HC Orl | 34 | He of | 43 | Ht of Ht of of or ht of or | 74 |
| HC O4 | 91 | HE OIS | 66 | HC Or | 100 |
| HC OH | 97 | HC Of | 100 | He at | 102 |



| HE ON ON HE | 23 | HC OH, | 72 | HC OI, HC | 86 |
|--|-----|--------------|----|--|----|
| HE OF | 75 | | 99 | Ho had he ad | 89 |
| HC ON HC ON | 75 | Hit Or's | 41 | H ₂ C CH ₂ | 77 |
| He at | 98 | HC Of | | HC Of HC Of | |
| HC CHISTNESS HC CHISTNESS HC CHISTNESS | 101 | HC OI, HC OI | 90 | HC 01, | 91 |



| O O O O O O O O O O O O O O O O O O O | 64 | HE OF HE OF | 97 | HC ON | 94 |
|---------------------------------------|-----|---|----|-------------|----|
| HC Of | 22 | HC O-CONTROL | 98 | HC OF | 49 |
| HC CH' HC CH' | 88 | HC O4 HC O4 O4 O4 | 98 | HC O4, | 64 |
| HC OF HC OF | 25 | #¢ at \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | 88 | 8 | * |
| HC OIS HC OIS HC OIS HC OIS | -23 | H.C. OH; and H.C. | 12 | HC ON HC ON | * |



| HE OF OF | ક | HC ON | 92 | Ht of | 72 |
|---|----|---|----|---------|----|
| Hr of | 40 | 4¢ 04, | 49 | 44 00 | 44 |
| HC HC O4, | 51 | \$ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ | 4 | HC Ort | 16 |
| H.C. C. A. | 9 | +; +; +; +; +; +; +; +; +; +; +; +; +; + | 98 | HE OH, | 94 |
| HC OH | 67 | HC 04 | 26 | Ht. or' | 71 |



| Hit at | 28 | H.C. OH, H.C. OH, H.C. OH, | 90 | HE OF | 103 |
|----------------------|-----|----------------------------|-----|--|-----|
| HC CH, HC CH, HC CH, | 95 | HC OI | 73 | HC Oth | 96 |
| HC O4 HC O4 | 101 | HC O4 | 98 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 103 |
| Ht of | 95 | HC Orl | 58 | HC CH, HC CH, | 90 |
| Hit of of | 8 | HC CH, HC CH, | 103 | F | 75 |



| HC O4 HC O4 | 98 | 145 O1 O1 | 82 | H.C. O4, | 104 |
|----------------------|-----|---|----|---|-----|
| HC OL, HC OL, HC OL, | 100 | 2 4 4 5 4 5 4 5 5 5 5 5 5 5 5 5 5 5 5 5 | 94 | 5 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | 88 |
| HC OH, HC OH, HC OH, | 99 | H,C OH, H,C OH, | 61 | HE OF | 102 |
| HC OI, | 17 | H; CH, H; CH, | 47 | HE CT. HE CT. | 74 |
| HC OH, | 86 | HC Official HC Of | 97 | H.C. OH, H.C. OH, | 57 |



| HC OF | 87 | HC Oth | 100 | Htc ork | 70 |
|---|-----|---|-----|--|----|
| His Cot. | 5 | 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | 95 | HC 24 | 94 |
| H ₄ C OH ₅ | 99 | F. F | 101 | H ^C CO1 ² OH | 94 |
| HC OH | 97 | ## ## ## ## ## ## ## ## ## ## ## ## ## | 86 | the or | 17 |
| HC OH, HC OH, HC HC OH, | 101 | HG 04" FF | 8 | H.C. OH, H.C | 92 |



| H.C. Od, H.C. Od, | 91 | HC OH, HC OH, | 100 | H.C. CH, | 44 |
|---|----|---------------|-----|--|----|
| H ₂ C O ₁ , H ₂ C O ₃ , H ₃ C O ₄ , | 64 | HC CH | 59 | HC Official HC Official | 63 |
| HC O4 HC O4 | 75 | HC OH HC OH | 13 | 4 4 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 | 81 |
| HC Od | 46 | H¢ CH, | 63 | ## ## at | 72 |



| HC OH, HC OH, | 67 | H4 C C C C C C C C C C C C C C C C C C C | % | HC OI, HC | 31 |
|---|-----|--|-----|--|----|
| HC Of | 98 | HC OH, HC OH, | 98 | H ₂ C QH ₃ H ₃ C QH ₃ H ₃ C QH ₃ | 69 |
| HC OH | 100 | HC CH, OH, HC | 101 | HC CH3 HC CH3 | 95 |
| H _C Cd, H _C | 101 | HC OH, HC OH, OH, OH, OH, | 94 | 4c of 4c of 6c of | 13 |



| HC OI, HC OI, | 63 | ## of | 20 | H _i C Ol, H _i C Ol, | 96 |
|----------------------------------|-----|---|----|--|----|
| HC ON, HC ON, HC ON, | 31 | # # # # # # # # # # # # # # # # # # # | 36 | HC OI, HC OI, | 89 |
| HC OH, HC OH, HC OH | 73 | - + + + + + + + + + + + + + + + + + + + | 70 | H.C. CH, | 43 |
| HC OH, | 71 | 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | 48 | H ₂ C & & & & & & & & & & & & & & & & & & & | 84 |
| H ₂ C CH ₃ | 104 | Hic or's | 88 | HG CH, | 69 |



| Ht of | , & | H,C CH, | 33 | H ₂ C OH, | 79 |
|---|--------|--|----|---|----|
| HC OH, | 88 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 53 | HE OF HE OF | 83 |
| H _G C Od, | 43 | H,C CH ₃ | 99 | H _y C OH _y H _y C OH _y H _y C OH _y | 84 |
| ±€ αξ | 28 | Hr. A. Hr. A. | 83 | # # # # # # # # # # # # # # # # # # # | 74 |
| HC Official | 53 | ++++++++++++++++++++++++++++++++++++++ | 90 | H _y C CH _y | 55 |



| HC OF | 65 | HC OH, HC OH, HC OH, | 90 | HC OH HC OH HC OH | 72 |
|--|----|----------------------|----|---|----|
| HC OIL | 84 | H.C. COH, | 56 | HC OH, | 72 |
| HE OF | 81 | Hit oil | 73 | HC OF OF | 28 |
| HC OH, | 91 | HE ON OH | 52 | | 60 |
| HC OH, | 83 | HC 04, | 96 | +4 +4 of +4 | 76 |



| Ht or's | 104 | Hr. Or's | 91 | HE OF | 100 |
|--|-----|---|-----|----------------|-----|
| HC Of HC Officers | 72 | Hit at | 98 | HC of ord | 76 |
| HC OH, | 97 | HE OF STATE | 63 | HC ON HC ON | 58 |
| HC Ort | 35 | HC Of HC Of Others | 101 | HIC OH, HIC OH | 36 |
| H.C. Y.C. A.S. A.S. A.S. A.S. A.S. A.S. A.S. A | 58 | Hit of | 91 | Hit of Hit of | 76 |



| Ht of | 80 | HE OF | 74 | +\$-C+, | 30 |
|--|----|---|-----|--|----|
| HC O' | 87 | HC CHGrand | 103 | HE OF CENT | 66 |
| +¢ +¢ +¢ +¢ +¢ +¢ +¢ +¢ +¢ +¢ +¢ +¢ +¢ + | 89 | \$ \\ \frac{5}{2} \\ \ | 97 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 20 |
| HC Ct of the HC Ct | 14 | HE OF | 27 | #\$ #\$ #\$ #\$ #\$ #\$ #\$ #\$ #\$ #\$ #\$ #\$ #\$ # | 42 |



| Ht or | 93 | H ² C O O O O O O O O O O O O O O O O O O O | 102 | Hr d' | 103 |
|--|-----|--|-----|---|-----|
| HC Ot | 103 | F. S. | 103 | Hg at, | 105 |
| HC OH OH | 82 | HC Of | 62 | HC OH, | 59 |
| HE OH, HE | 29 | H _C OH, | 67 | H ₄ C CH ₃ H ₄ C CH ₃ N N | 101 |
| at the at | 73 | HC OH, | 86 | HC HC O4 | 85 |



| HC Od Chinal | 52 | HC CH | 73 | ## of ## of | 69 |
|---|-----|---------------|-----|---|----|
| HC OI, HC OI, OI, OI, | 103 | He at | 94 | H ₂ C CH ₃ H ₃ C CH ₃ H ₄ C CH ₃ | 98 |
| H _I C CH ₃ H _I C CH ₃ N N N N N N N N N N N N N N N N N N N | 90 | | 100 | Ht +tc ot, | 77 |
| HO COL | 72 | | 49 | H ₂ C CH ₃ | 76 |
| HE OF | 85 | HG CH, HG CH, | 46 | H _G C OH _g | 92 |



| HE OIL OIL | 37 | HC O4, O4 Chira | 58 | HC OH, | 106 |
|----------------|----|---------------------------------|-----|-----------------------|-----|
| HE ON ON ON ON | 73 | HC Of | 81 | H. O. | 97 |
| #\$ Q4 | 98 | H2 H2 04 | 100 | HC O4 HC O4 | 88 |
| Ht or | 84 | H ₂ C O ₁ | 53 | HC OHONNA HC HC OH | 72 |



| HE ON, HE ON | 57 | HE OH, | 65 | HC OH, | 83 |
|--|-----|--|----|---|----|
| HC OIL HC OIL | 78 | HC ON, Chiral | 86 | # + + + + + + + + + + + + + + + + + + + | 65 |
| He or | 89 | H + + + + + + + + + + + + + + + + + + + | 77 | F F F F F F F F F F F F F F F F F F F | 99 |
| HC CH ₃ HC CH ₃ N N | 101 | H ² C OH, | 23 | 5 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | 34 |
| HC CH, HC CH, | 84 | HC OHOMA | 46 | #¢ at, | 79 |



| HC CH' | 82 | HC 01, HC 01, | 102 | HC HC OI | 76 |
|----------------------------------|-----|--|-----|--|----|
| Hy on, | 99 | HC O19 C14 | 100 | HC CH, HC CH, HC CH, | 90 |
| HC OH, | 103 | HG OH, | 21 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 43 |
| HC CH, | 25 | H ₂ C OH ₃ | 50 | 14 + 15 + 15 + 15 + 15 + 15 + 15 + 15 + | |
| H ₄ C CH ₄ | 31 | HC CH, | 61 | H.C. O-04, | 91 |



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| H.C. O.L. | 47 | HG OH, HG | 39 | HC OH, HC OH, HC OH, | 93 |
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| HC OH, | 79. | H ₂ C CH ₂ CH ₂ CH ₃ | 44 | HC OL HC HC | 65 |
| HC ON HC ON HC ON | 66 | H ₉ C CH ₉ CH ₉ CH ₉ PF F | 89 | H ₂ C Od, H ₂ C Od, H ₃ C Od, H ₄ C Od, H ₅ C | 37 |



| H _C OH, H _C OH, H _C OH, H _C OH, | 105 | HC ON | 77 | HC OI OI N N N N N N N N N N N N N N N N N | 52 |
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| Hic OH, Hic OH, | 97 | H ₃ C CH ₃ H ₃ C CH ₃ | 103 | Hit st | 104 |
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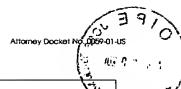


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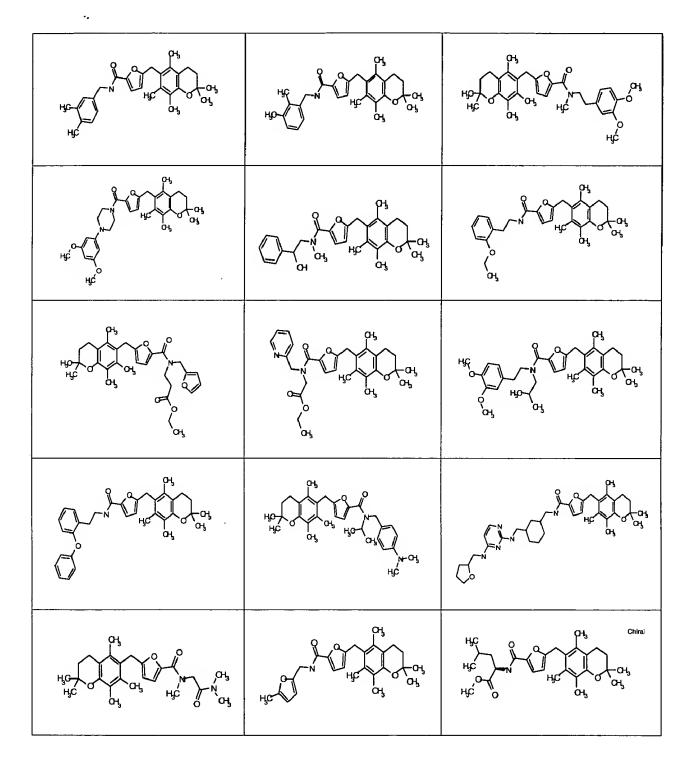


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| H ₃ C CH ₃ H ₃ C CH ₃ OH ₃ | HC OH | HG - HG - G - G - G - G - G - G - G - G |
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| H ₂ C CH ₃ H ₃ C CH ₃ H ₄ C CH ₃ H ₅ C CH ₃ | 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 |
| HC HC OT PC | F. F | 5 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 |
| HC OH | Hit Or Hi | HC CH, HC CH, HC CH, |

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| HC OH, HC OH, HC OH, | HC OH, HC OH, | HC OH, |
|----------------------|--|--|
| HC OH, HC OH, HC OH, | HC CH ₃ CH CH CH CH CH CH CH CH CH C | HC Of |
| HC OH, | HC OH, HC OH, HC OH, | H ₂ C OH ₃ H ₃ C OH ₃ H ₄ C OH ₃ H ₅ C |
| HC HC OH, | H; H | HC ON HC ON HC ON HC ON |

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| HC CH, HC CH, HC CH, HC CH, | HC OH HC OH HC OH | H,C OH, H,C OH, H,C OH, |
|--|---|--|
| HC OH, HC | H; C + C C C C C C C C C C C C C C C C C | + + + + + + + + + + + + + + + + + + + |
| HC O'S HC O'S HC O'S | + + + + + + + + + + + + + + + + + + + | H ₂ C OH ₃ H ₃ C OH ₃ H ₄ C OH ₃ H ₅ C |
| Hit Orly | #\$ #\$ & \$ & \$ & \$ & \$ & \$ & \$ & \$ & \$ & | HC 04 HC 04 |



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| HC Ot, | HC OH, | HC OF |
|--|---|---|
| H _S C OH, H _S C | HC OF | 2 4 4 5 5 6 2 6 5 6 5 6 5 6 5 6 5 6 5 6 6 6 6 |
| Ht at | H ₂ C OH ₃ H ₃ C OH ₃ OH ₃ OH ₃ OH ₃ | HC 043 P |

